

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET NO.	SERIAL NO.
5490-000127/CPC	10/081,166
APPLICANT	
Shon D. Steger et al.	
FILING DATE	GROUP
2-22-2002	3731

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.						

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	DR	867 422	7-1949	Germany	—	—	—

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

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Examiner: *Shon D. Steger*

Date Considered: 5/26/05

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Sheet 1 of 3

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2-22-02	Unknown

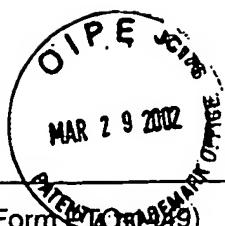
U.S. PATENT DOCUMENTS

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1.	DR	1,105,105	07-1914	Sherman		
2.		2,489,870	11-1949	Dzus		
3.		2,494,229	01-1950	Collison		
4.		2,631,584	03-1953	Purificato		
5.		3,488,779	01-1970	Christensen		
6.		4,219,015	08-1980	Steinemann		
7.		4,429,690	02-1984	Angelino-Pievani		
8.		4,484,570	11-1984	Sutter et al.		
9.		4,708,132	11-1987	Silvestrini		
10.		4,903,691	02-1990	Heinl		
11.		4,959,065	09-1990	Arnett et al.		
12.		4,973,332	11-1990	Kummer		
13.		5,108,395	04-1992	Laurain		
14.		5,108,399	04-1992	Eitenmuller et al.		
15.		5,129,899	07-1992	Small et al.		
16.		5,147,363	09-1992	Harle		
17.		5,151,103	09-1992	Tepic et al.		
18.		5,180,382	01-1993	Frigg et al.		
19.		5,269,784	12-1993	Mast		
20.		5,303,718	04-1994	Krajicek		
21.	✓	5,358,367	10-1994	Yang		

Examiner: *David L. Kep*

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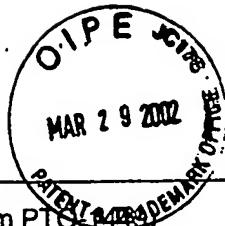
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22.	DR	5,372,598	12-1994	Luhr et al.		
23.		5,403,136	04-1995	Mathys		
24.		5,413,577	05-1995	Pollock		
25.		5,474,551	12-1995	Finn et al.		
26.		5,505,731	04-1996	Tornier		
27.		5,520,690	05-1996	Errico et al.		
28.		5,569,247	10-1996	Morrison		
29.		5,591,167	01-1997	Laurain et al.		
30.		5,601,553	02-1997	Trebing et al.		
31.		5,601,554	02-1997	Howland et al.		
32.		5,607,428	03-1997	Lin		
33.		5,653,710	08-1997	Harle		
34.		5,676,667	10-1997	Hausman		
35.		5,722,976	03-1998	Brown		
36.		6,007,538	12-1999	Levin		

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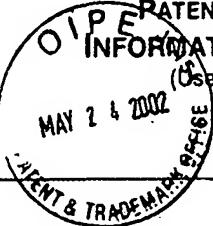
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1.	<i>DR</i>	A Biomechanical Study of Median Sternotomy Closure Techniques, European Journal of Cardio-thoracic Surgery 15, A.R. Casha, L. Yang, P.H. Kay, M. Saleh, and G.J. Cooper (1999), Pgs. 365-369				
2.		Biomechanical Study of Sternal Closure Techniques, Wen Cheng, MD, Duke E. Cameron, MD, Karen E. Warden, PhD, James D. Fonger, MD, and Vincent L. Gott, MD, Div. of Cardiac Surgery, The Johns Hopkins Medical Institutions, Baltimore, MD (1993), Pgs. 737-740				
3.		Biomechanical Study of Sternal Closure Using Rigid Fixation Techniques in Human Cadavers, Wayne Ozaki, MD, Steven R. Buchman, MD, Mark D. Iannettoni, MD, and Elizabeth P. Frankenburg, BS, Sections of Plastic and Reconstructive Surgery, and Cardiothoracic Surgery, University of Michigan Medical Center, Ann Arbor, MI (1998), Pgs. 1660-1665				
4.	<i>✓</i>	Bite Forces Before and After Surgical Correction of Mandibular Prognathism, Edward Ellis III, DDS, Gaylord S. Throckmorton, PhD, and Douglas P. Sinn, DDS, American Assoc. of Oral and Maxillofacial Surgeons (1996), Pgs. 176-181				

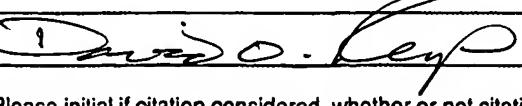
Examiner: <i>David R. Kay</i>	Date Considered: 5/26/05
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5.		Catastrophic Hemorrhage on Sternal Reentry: Still a Dreaded Complication?, Fabrizio M. Follis, MD, Stuart B. Pett, Jr, JD, Kevin B. Miller, MD, Rose S. Wong, MD, R. Thomas Temes, MD, and Jorge A. Wernly, MD, Ann Thorac Surg 1999;68:2215-2219, 1999 The Society of Thoracic Surgeons (reprint)	
6.		Chest Wall Stabilizatin Using Plate Fixation, John E. Sherman, MD, Andrew Salzberg, MD, Noel M. Raskin, MD, and Edward J. Beattie, MD, Annals of Thoracic Surgery (Oct. 1988), Pgs. 467-469	
7.		Comparison of Habitual Masticatory Cycles and Muscle Activity Before and After Orthognathic Surgery, Riad E. Youssef, DDS, Gaylord S. Throckmorton, PhD, Edward Ellis III, DDS, MS, and Douglas P. Sinn, DDS, American Assoc. of Oral and Maxillofacial Surgeons (1997), Pgs. 699-708	
8.		The Healing Sternum: A Comparison of Osseous Healing With Wire Versus Rigid Fixation, Larry A. Sargent, MD, Alan E. Seyfer, MD, Jeffery Hollinger, DDS, PhD, Roger M. Hinson, and Geoffrey M. Graeber, MD, Plastic Surgery Service, Walter Reed Army Medical Center and Institute of Research, and US Army Institute of Dental Research, Washington, D.C. (April 5, 1991), Pgs. 490-494	
9.		Improved Sternal Fixation in the Correction of Pediatric Pectus Excavatum, Michael L. Bentz, MD, Marc I. Rowe, MD, and Eugene S. Wiener, MD, Case Report (1994) by Little, Brown and Company, Pgs. 638-641	
10.		Improvement of Maximum Occlusal Forces After Orthognathic Surgery, Gaylord S. Throckmorton, PhD, Peter H. Buschang, PhD, and Edward Ellis III, DDS, 1996 American Assoc. of Oral and Maxillofacial Surgeons, 54:1080-1086	
11.		Internal Fixation of the Sternum in Median Sternotomy Dehiscence, Christopher W. Chase, MD, John D. Franklin, MD, Daryl P. Guest, MD, and Donald E. Barker, MD, Dept. of Surgery at Univ. of Tenn. College of Medicine (Nov. 25, 1998), Pgs. 1667-1673	
12.		Mechanical analysis of Midline Sternotomy Wound Closure, Walter E. McGregor, MD, Dennis R. Trumble, MS, and James A. Magovern, MD, The Journal of Thoracic and Cardiovascular Surgery, Vol. 117, Number 6, Pgs. 1144-1150	
13.		Median Sternotomy Dehiscence, William S. Stoney, MD, et al., The Annals of Thoracic Surgery, Vol. 26, No. 5, November 1978, Pgs. 421-426	

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Sheet 3 of 4

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
14.	DR	Median Sternotomy Wound Dehiscence: A Retrospective Case Control Study of Risk Factors and Outcome, A. J. Bryan, et al., Dept. of Cardiac Surgery, University Hospital of Wales, Cardiff, UK (1992), Pgs. 305-308
15.		Non-Union of Fractures of the Sternum, I. I. Mayba, MD, Winnipeg, Manitoba, Canada, The Journal of Bone and Joint Surgery, Incorporated (1985), Pgs. 1091-1093
16.		Open Fixation of Sternal Fracture, Jerry Kitchens, MD, and J. David Richardson, MD, FACS, Louisville, Kentucky; Surgery, Gynecology & Obstetrics, October 1993, Vo. 177, Pgs. 176-177
17.		Paramedian Sternal Bone Plate Reinforcement and Wiring for Difficult Sternotomy Wounds, E. Clyde Smoot, MD, and Darryl Weiman, MD (1998) by Lippincott Williams & Wilkins, Pgs. 464-467
18.		A Polyurethane Foam Model for Characterizing Suture Pull-Through Properties in Bone; Joseph E. Hale, Donald D. Anderson, and Greg A. Johnson, Biomechanics Laboratory, Minneapolis Sports Medicine Center, Minneapolis, MN, www.asb-biomech.org/abstracts99/133 (4 pgs) (reprint)
19.		Repair of Sternal Dehiscence Using a Harrington Compression System, Mark D. Miller, P.A.-C, Robert G. Johnson, MD, and Jerome Naifeh, MD, Ann Thorac Surg 45:684-685, June 1988
20.		Rigid Internal Fixation of the Sternum in Postoperative Mediastinitis, Lawrence J. Gottlieb, MD, et al., Arch Surg/Vol. 129, May 1994, Pgs. 489-493
21.		Sternal Plating for the Treatment of Sternal Nonunion, Steven C. Hendrickson, MD, et al., Divisions of Cardiothoracic Surgery, Plastic and Maxillofacial Surgery, and Orthopaedic Surgery, Dept. of Surgery, Duke Univ. Medical Center and Durham Veterans Administration Hospital, Durham, NC (1996), Pgs. 512-518
22.		Sternal Salvage With Quantitative Bacteriology and Rigid Plate Fixation in Postoperative Mediastinitis: A 10 Year Experience, David H. Song, MD, et al., American Assoc. of Plastic Surgeons - 79th Annual Meeting (May 7-10, 2000), 3 Pages
23.	✓	Prophylactic Rigid Plate Fixation for High Risk Sternotomies, David H. Song, MD, The University of Chicago Plastic and Reconstructive Surgery (2-23-01) 16 Pages

Examiner: *David H. Song* Date Considered: *5/26/05*

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24.	<i>DR</i>	Superior Sternal Cleft: Construction With A Titanium Plate, Anita Hazaari, F.R.C.S., et al., Frenchay Hospital and Bristol Children's Hospital, Bristol, UK (Feb. 3, 1997), Pgs. 167-170
25.	<i>DR</i>	Update on Sternal Osteosynthesis, Josef G. Vincent, MD, How To Do It, Institute of Thoracic, Cardiac and Vascular Surgery, Saint Radboud Univ. Hospital, Nijmegen, The Netherlands (March 14, 1985), Pgs. 216-218

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